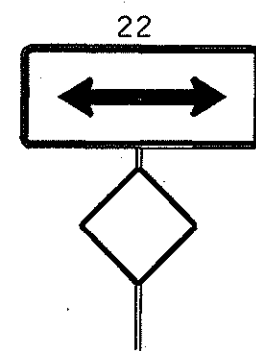
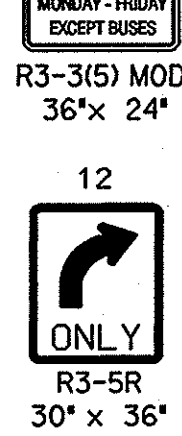


DRILL HOLES

DRILL HOLES

DRILL HOLES

EXISTING SIGNS

11A.17B
Wintergate DR
D3-2
VARIABLE X 16"11B.17A
Wintergate DR
D3-2
VARIABLE X 16"20
EAST
M3-2
24" x 12"21
WEST
M3-4
30" x 15"23
Norbeck RD
D3-2
VARIABLE X 16"20
EAST
M3-2
24" x 12"21
WEST
M3-4
30" x 15"14
Wintergate Drive
D3-2
VARIABLE X 16"13
W3-3(2)
120" x 60"

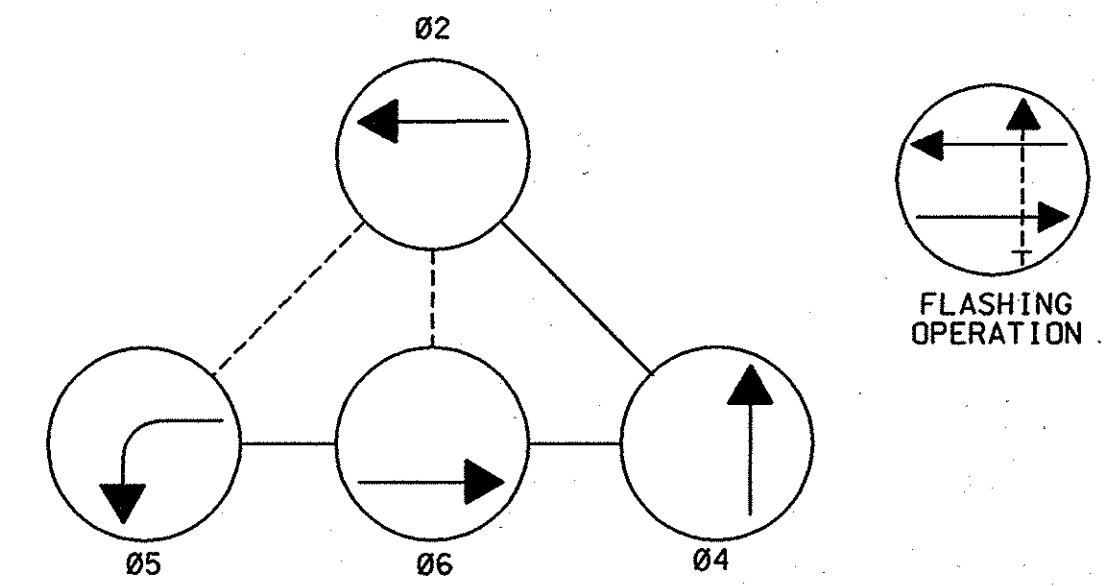
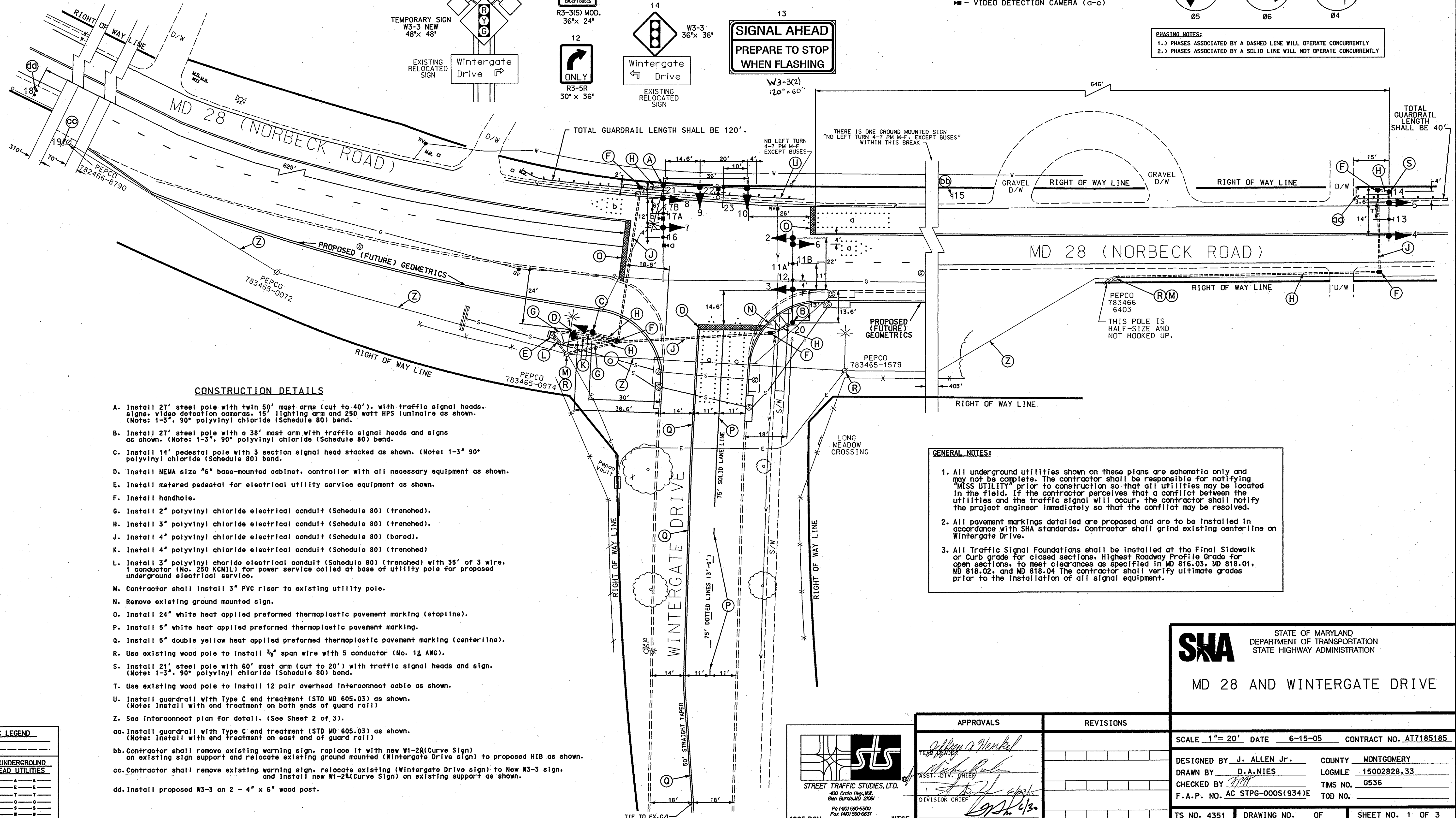
PROPOSED SIGNALS

1-3,8-10
R
Y
G
12"4,5
Y
12"6,7
R
Y
G
12"

PROPOSED CAMERAS

- VIDEO DETECTION CAMERA (a-c)

NEMA PHASING

PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLYNOTE: MD 28 IS ASSUMED TO RUN
IN AN EAST-WEST DIRECTION.

CONSTRUCTION DETAILS

- Install 27' steel pole with twin 50' mast arms (cut to 40'), with traffic signal heads, signs, video detection cameras, 15' lighting arm and 250 watt HPS luminaire as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend).
- Install 27' steel pole with a 38' mast arm with traffic signal heads and signs as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend).
- Install 14' pedestal pole with 3 section signal head stacked as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend).
- Install NEMA size "6" base-mounted cabinet, controller with all necessary equipment as shown.
- Install metered pedestal for electrical utility service equipment as shown.
- Install handhole.
- Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 35' of 3 wire, 1 conductor (No. 250 KCMIL) for power service coiled at base of utility pole for proposed underground electrical service.
- Contractor shall install 3" PVC riser to existing utility pole.
- Remove existing ground mounted sign.
- Install 24" white heat applied preformed thermoplastic pavement marking (stopline).
- Install 5" white heat applied preformed thermoplastic pavement marking.
- Install 5" double yellow heat applied preformed thermoplastic pavement marking (centerline).
- Use existing wood pole to install 3/8" span wire with 5 conductor (No. 12 AWG).
- Install 21' steel pole with 60' mast arm (cut to 20') with traffic signal heads and sign. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend).
- Use existing wood pole to install 12 pair overhead interconnect cable as shown. (Note: Install with end treatment on both ends of guard rail)
- See interconnect plan for detail. (See Sheet 2 of 3).
- Install guardrail with Type C end treatment (STD MD 605.03) as shown. (Note: Install with end treatment on east end of guard rail)
- Contractor shall remove existing warning sign, replace it with new W1-2R (Curve Sign) on existing sign support and relocate existing ground mounted (Wintergate Drive sign) to proposed H1B as shown.
- Contractor shall remove existing warning sign, relocate existing (Wintergate Drive sign) to new W3-3 sign, and install new W1-2R (Curve Sign) on existing support as shown.
- Install proposed W3-3 on 2 - 4" x 6" wood post.

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All pavement markings detailed are proposed and are to be installed in accordance with SHIA standards. Contractor shall grind existing centerline on Wintergate Drive.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections. Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.

SHA

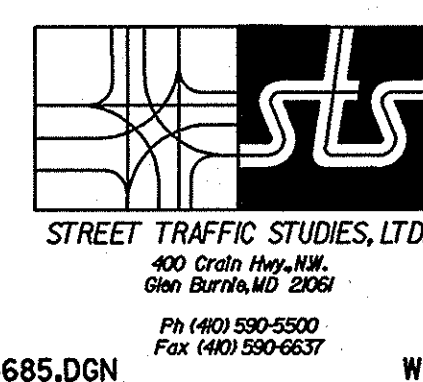
STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 28 AND WINTERGATE DRIVE

SCALE 1" = 20' DATE 6-15-05 CONTRACT NO. AT7185185

DESIGNED BY J. ALLEN JR. COUNTY MONTGOMERY
DRAWN BY D. A. NIES LOGMILE 15002828.33
CHECKED BY TMS NO. 6536
F.A.P. NO. AC STPG-0005(934)E TOD NO.

TS NO. 4351 DRAWING NO. OF SHEET NO. 1 OF 3

PLOTTER: \$DATEIME\$
FILE: \$FILE\$

4685.DGN

WT65

APPROVALS	REVISIONS
TEAM LEADER ASST. DIV. CHIEF DIVISION CHIEF OFFICE DIRECTOR	

GEOMETRIC LEGEND	
PROPOSED	---
EXISTING	---
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV